Amendments to the Claims:

Please amend claims 1, 7, 13, 14, 22, 30, 32, 37, 41 and 42 as follows. This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A drive roller assembly for a mobile robot, comprising:

a drive ball;

a transmission roller that is in continuous contact with said drive ball, said transmission roller can rotate about at least two axes; and,

a drive mechanism coupled to said transmission roller.

2. (Original) The assembly of claim 1, wherein said drive mechanism includes a motor.

3. (Original) The assembly of claim 1, wherein said transmission roller is attached to a bracket.

4. (Original) The assembly of claim 3, wherein said bracket has a groove in an outside surface that allows a portion of said transmission roller to make contact with said drive ball.

5. (Original) The assembly of claim 3, wherein said drive mechanism includes a pulley that is coupled to a motor and said bracket.

6. (Original) The assembly of claim 1, wherein said transmission roller includes an addendum roller attached to a primary roller.

7. (Currently Amended) A drive roller assembly for a mobile robot, comprising:

a drive ball;

a transmission roller that is in continuous contact with said drive ball, said transmission roller can rotate about at least two axes; and,

drive means for rotating said transmission roller and driving said drive ball.

8. (Original) The assembly of claim 7, wherein said drive means includes a motor.

9. (Original) The assembly of claim 7, wherein said transmission roller is attached to a bracket.

10. (Original) The assembly of claim 9, wherein said bracket has a groove in an outside surface that allows a portion of said transmission roller to make contact with said drive ball.

11. (Original) The assembly of claim 9, wherein said drive means includes a pulley that is coupled to a motor and said bracket.

12. (Original) The assembly of claim 7, wherein said transmission roller includes an addendum roller attached to a primary roller.

13. (Currently Amended) A method for operating a roller assembly for a mobile robot, comprising:

activating a drive mechanism within a mobile robot; and

rotating a transmission roller that can rotate about at least two axes and is in continuous contact with a drive ball to rotate the drive ball and move the mobile robot.

14. (Currently Amended) A mobile robot, comprising:

a first drive roller assembly that includes;

a drive ball;

a transmission roller that is in continuous contact with said drive ball, said transmission roller can rotate about at least two axes;

a drive mechanism coupled to said transmission roller;

a pedestal coupled to said first drive roller assembly;

a camera coupled to said pedestal; and,

a screen coupled to said pedestal.

15. (Original) The robot of claim 14, wherein said drive mechanism includes a motor.

16. (Original) The robot of claim 14, wherein said transmission roller is attached to a bracket.

17. (Original) The robot of claim 16, wherein said bracket has a groove in an outside surface that allows a portion of said transmission roller to make contact with said drive ball.

18. (Original) The robot of claim 16, wherein said drive mechanism includes a pulley that is coupled to a motor and said bracket.

19. (Original) The robot of claim 14, wherein said transmission roller includes an addendum roller attached to a primary roller.

20. (Original) The robot of claim 14, further comprising a second drive roller assembly and a third drive roller assembly.

21. (Original) The robot of claim 14, wherein said pedestal includes a pivot drive mechanism that is coupled to said camera and said screen, and a swivel drive mechanism that is coupled to said camera and said screen.

22. (Currently Amended) A mobile robot, comprising:

a first drive roller assembly that includes;

a drive ball;

a transmission roller that is in continuous contact with said drive ball, said transmission roller can rotate about at least two axes;

drive means for rotating said transmission roller and driving said drive ball;

a pedestal coupled to said first drive roller assembly;

a camera coupled to said pedestal; and,

a screen coupled to said pedestal.

23. (Original) The robot of claim 22, wherein said drive means includes a motor.

24. (Original) The robot of claim 22, wherein said transmission roller is attached to a bracket.

25. (Original) The robot of claim 24, wherein said bracket has a groove in an outside surface that allows a portion of said transmission roller to make contact with said drive ball.

26. (Original) The robot of claim 24, wherein said drive means includes a pulley that is coupled to a motor and said bracket.

27. (Original) The robot of claim 22, wherein said transmission roller includes an addendum roller attached to a primary roller.

28. (Original) The robot of claim 22, further comprising a second drive roller assembly and a third drive roller assembly.

29. (Original) The robot of claim 22, wherein said pedestal includes pivot means for pivoting said camera and said screen, and swivel means for swiveling said camera and said screen.

30. (Currently Amended) A method for operating a mobile robot, comprising:

generating an output signal to move a mobile robot;

activating a drive mechanism within the mobile robot; and

rotating a transmission roller that can rotate about at least two axes and is in continuous contact with a drive ball to rotate the drive ball in response to the output signal to move the mobile robot.

31. (Original) The method of claim 30, further comprising swiveling a camera and a screen of the robot and pivoting the camera and the screen.

32. (Currently Amended) A drive roller assembly for a mobile robot that moves across a surface, comprising:

a roller that is in continuous contact with the surface, said roller can passively rotate about a first axis;

a bracket coupled to said roller; and,

a drive mechanism coupled to said bracket to rotate said roller about a second axis.

33. (Original) The assembly of claim 32, wherein said drive mechanism includes a motor.

34. (Original) The assembly of claim 32, wherein said bracket has a groove in an outside surface that allows a portion of said roller to make contact with the surface.

35. (Original) The assembly of claim 32, wherein said drive mechanism includes a pulley that is coupled to a motor and said bracket.

36. (Original) The assembly of claim 32, wherein said roller includes an addendum roller attached to a primary roller.

37. (Currently Amended) A drive roller assembly for a mobile robot that moves across a surface, comprising:

a roller that is in continuous contact with the surface, said roller can passively rotate about a first axis;

a bracket coupled to said roller; and,

drive means for rotating said bracket and said ~~transmission~~ roller about a second axis.

38. (Original) The assembly of claim 37, wherein said drive means includes a motor.

39. (Original) The assembly of claim 37, wherein said bracket has a groove in an outside surface that allows a portion of said transmission roller to make contact with the surface.

40. (Original) The assembly of claim 37, wherein said drive means includes a pulley that is coupled to a motor and said bracket.

41. (Currently Amended) The assembly of claim 37, wherein said ~~transmission~~ roller includes an addendum roller attached to a primary roller.

42. (Currently Amended) A method for operating a drive roller assembly for a mobile robot that moves across a surface, comprising:

activating a drive mechanism within a mobile robot; and,

rotating a roller that can rotate about at least two axes and is supported by a bracket, and is in continuous contact with the surface, to move the mobile robot.